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The ODMs we study include object-oriented DBMSs, extended **relational** DBMSs, ... objects, type hierarchies, procedures, and **version management**. Chapter ...  
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**Model-oriented Configuration Management for Relational Database ...**

by TN Nguyen - [All 4 versions](#)

in a **relational database** application. A set of difference tools .... tent change and **version management**. The algorithm takes advantage of Molhado's storage ...  
[doi.ieeecomputersociety.org/10.1109/CIT.2006.122](#)

**relational database management system**

Early versions of MySQL included few standard **relational database management system** (RDBMS) features, and the current production **version** still lacks many ...  
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**JumpBox for the PostgreSQL Relational Database Management System ...**

Feb 10, 2009 ... JumpBox for the PostgreSQL **Relational Database Management System ...** PostgreSQL boasts sophisticated features such as Multi-Version ...  
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**Relational Database Management Systems**

Codd, E. F. The **Relational Model for Database Management: Version 2**. Addison Wesley, 1990. This famous book, now out of print, by the inventor of **relational ...**  
[www.springerlink.com/index/w715751xq7704752.pdf](#) - [Similar](#)

**Mimer SQL - the high performance, easy-to-use Relational Database ...**

Mimer SQL provides small footprint, scalable and robust **relational database ...** This new major **version** of the Mimer SQL database **management system** includes ...  
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**[PDF] Teradata Relational Database Management System**

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1.2 SECURITY TARGET NAME. Teradata® **Relational Database Management System Version 2**, Release 5.0.2 Security Target, **Version 1.0**, 11 October 2004 ...

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**Relational database schema version management - Patent 7562357**

by LS Tarima - 2009 - All 4 versions

Jul 14, 2009 ... Techniques for managing multiple versions of relational database schema data are described. Schema data associated with multiple versions of ...

[www.freepatentsonline.com/7562357.html](http://www.freepatentsonline.com/7562357.html)**The relational model for database management**

by EF Codd - 1990 - Cited by 489 - Related articles - All 3 versions

The relational model for database management: version 2. The relational model for database management. Full text, Pdf (28.61 MB) ...

[portal.acm.org/citation.cfm?id=SERIES11430.77708](http://portal.acm.org/citation.cfm?id=SERIES11430.77708) - [Similar](#)**Amazon.com: The Relational Model for Database Management: Version ...**

Amazon.com: The Relational Model for Database Management: Version 2 ( 9780201141924): EF Codd: Books.

[www.amazon.com](http://www.amazon.com) > ... > Information Systems - [Cached](#) - [Similar](#)**Relational database schema version management - US Patent 7562357 ...**

US Patent 7562357 - Relational database schema version management: US Patent

Issued on July 14, 2009. Estimated Patent Expiration Date: Icon\_subject ...

[www.patentstorm.us/patents/7562357/claims.html](http://www.patentstorm.us/patents/7562357/claims.html)**Comparison of relational database management systems - Wikipedia ...**

Version 3.2 supports a related technique known as "in-memory bitmap scans". ....

Comparison of object-relational database management systems ...

[en.wikipedia.org/.../Comparison\\_of\\_relational\\_database\\_management\\_systems](http://en.wikipedia.org/.../Comparison_of_relational_database_management_systems) - [Cached](#)**NoSQL Relational Database Management System: Home Page**

NoSQL is a fast, portable, relational database management system without ... by including a minimal, stripped-down version of SWU with NoSQL itself. ...

[www.strozzi.it/cgi-bin/GSA/tw7/1/en\\_US/NoSQL](http://www.strozzi.it/cgi-bin/GSA/tw7/1/en_US/NoSQL) - [Cached](#) - [Similar](#)**Eecodd relational model database management version 2 - Rapidshare ...**File [http://rapidshare.com/files/.../eecodd\\_relational\\_model\\_database\\_management\\_version\\_2](http://rapidshare.com/files/.../eecodd_relational_model_database_management_version_2)

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[fileshunt.com/rapidshare.php?..relational...management+version...](http://fileshunt.com/rapidshare.php?..relational...management+version...) - [Cached](#)**PDF CHM Books: The Relational Model for Database Management: Version 2**

A database management system (DBMS) is a reasonably complex system, even if unnecessary complexity is completely avoided. The relational model intentionally ...

[book.pdfchm.com/the-relational-model-for-database-management-version-2-9052/](http://book.pdfchm.com/the-relational-model-for-database-management-version-2-9052/) -[Cached](#) - [Similar](#)**Using a supply usage relational database to reduce costs ...**

7562357 Issued on July 14, Assigned to Microsoft for Relational Database Schema

Version Management (California Inventors) ...

[www.encyclopedia.com/doc/1G1-20076539.html](http://www.encyclopedia.com/doc/1G1-20076539.html) - [Cached](#) - [Similar](#)**PDF On Supporting Containment Queries in Relational Database ...**File Format: PDF/Adobe Acrobat - [Quick View](#)

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**Patents**Patents 1 - 10 on **version individual conflicts generating merging updating**. (0.12 seconds)» **List view**[Cover view](#)» **Sort by relevance**[Sort by date \(new first\)](#)[Sort by date \(old first\)](#)» **Any status**[Issued patents](#)[Applications](#)

**Method and apparatus for reconciling different versions of a file**  
US Pat. 5600834 - Filed Apr 5, 1995 - Mitsubishi Electric Information Technology Center America, Inc.

Further applications of the Subject System include **merging** records ... 65 In summary, in a distributed file environment, a system for safely **updating** a file

...

**Systems and methods for generating software and hardware builds**

US Pat. 7266805 - Filed Dec 22, 2004 - Timesys Corporation

5 6 build node is derived from a merge point node by **merging** generated using the

merge ... to work the **conflicts** detected in generation of the merge node. ...

**File version reconciliation using hash codes**

US Pat. 6098079 - Filed Apr 2, 1998 - Mitsubishi Electric Information Technology Center America, Inc. (ITA)

The user bears substantial responsibility for anticipating **conflicts** among ... The process generally works by "**merging**" the sequences of **version** entries in ...

[APPLICATION] **Computer-based structures and methods for generating, maintaining, and ...**

US Pat. 10147694 - Filed May 17, 2002

This operation is used to identify any code change **conflicts** made by concurrent

... current module **version** and immediately resolve concurrent **conflicts**; ...

**Snoop filter for use in multiprocessor computer systems**

US Pat. 5966729 - Filed Jun 30, 1997 - Sun Microsystems, Inc.

Each of the **individual** processors in the interested group of processors will decide 84 whether they have a shared or owned copy of the requested page. ...

**Autonomous command and control unit for mobile platform**

US Pat. 6122572 - Filed Nov 10, 1997 - State of Israel

Process 1026, is followed by **updating** the navigation calculations, 1027. ... RDT

B 1105 is run to determine the **individual** Response B 1108 for the ...

**Segmenting video input using high-level feedback**

US Pat. 6993620 - Filed Dec 10, 2001 - Hewlett-Packard Development Company, L.P.

In embodiments that use multiple high-level modules to generate feedback maps,

**merging** module 42 is operable to combine these maps and resolve

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Issued patents

Applications

 Did you mean: ***version controller merging data tables***
**Device controller with intracontroller communication capability, conveying ...**

US Pat. 5984498 - Filed Nov 21, 1996 - Quantum Conveyor Systems, Inc.

 As the baggage is past from section to section, the **data tables** of the respective sections are updated. For the receiving section, the **data** table is updated ...

**Data merging method and apparatus for shared memory multiprocessing computer ...**

US Pat. 5710881 - Filed Nov 25, 1996 - Hewlett Packard Company

 Similar to the **merging** described After merger in the normal merger mode begins ( ie at ... The 35 **tables**, one for each **data** block, can be allocated as needed ...

**Method and apparatus for merge processing in a text processing system**

US Pat. 4445795 - Filed Sep 24, 1981 - International Business Machines

 ... TO **DATA** AREAS INITIALIZE THE SACB FIELDS IN MERGE **DATA** AREAS INITIALIZE ... IN THE GET CONTROL BLOCK DISPLAY THE **MERGING** MESSAGE ON THE DISPLAY STATUS ...

**State machine controlled video processor**

US Pat. 5083119 - Filed Dec 19, 1988 - Du Pont Pixel Systems Limited

 The first control table uses the control **data** to perform any necessary pixel group boundary **merging** for the shifted letter "A" between columns 608 and 610.

...

**Method for sorting data in a computer at high speed by using data word ...**

US Pat. 5389762 - Filed Jun 28, 1990

 15 considered together, the gathering and **merging** proce- After the new **data** ... been to finally merge all the auxiliary **data tables** into the reached (38), ...

**Predictive network with graphically determined preprocess transforms**

US Pat. 6002839 - Filed Aug 21, 1997 - Pavilion Technologies

 5a, there is illustrated a **data** table with bad, missing, or incomplete **data**. The

**data** table consists of **data** with time disposed along a vertical scale and ...

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**Patents**Patents **1 - 10** on **version individual conflicts data tables**. (0.09 seconds)» **List view**[Cover view](#)» **Sort by relevance**[Sort by date \(new first\)](#)[Sort by date \(old first\)](#)» **Any status**[Issued patents](#)[Applications](#)System and method of refreshing and posting **data** between versions of a ...

US Pat. 6557012 - Filed Apr 22, 2000 - Oracle Corp

**Conflicts** can be easily be identified and resolved relatively frequently, ...  
Adigital **data** processing apparatus may include an **individual** computer or a ...Integrated production of smart cards

US Pat. 6402028 - Filed Apr 6, 1999 - Visa International Service Association

In this step, the **data** element **tables** for all the applications are combined to ... Also, the **individual data** elements of the combined **data** element table are ...Database **version** control subsystem and method for use with database ...

US Pat. 6631386 - Filed Apr 22, 2000 - Oracle Corp

A digital **data** pro- record-level versioning is facilitated by **version** control 55  
cessing apparatus may include an **individual** computer or a subsystem 11 ...Computerized problem checking system for organizations

US Pat. 5774866 - Filed Sep 26, 1995 - Hannoch Weisman

The ORACLE server maintains the **data tables** in **data** storage unit and ...  
for  
legal **conflicts** only or for business **conflicts** and legal **conflicts** together. ...Vector **data** logical usage conflict detection

US Pat. 4789925 - Filed Jul 31, 1985 - Unisys Corporation

19 illustrates three additional **tables** labelled possible conflict detectors. ...  
These **conflicts** detected on this second card is shown in FIG. ...Parameterized lock management system and method for conditional conflict ...

US Pat. 5983225 - Filed Jan 26, 1998 - Telcelor AS

**TABLES** Compatibility Matrix for Access Modes IR IW RIW B IR RU IW RIW  
WX 55 60  
65 Note that ... write- read and read-write **conflicts** are made conditional. ...Database system with methodology for notifying clients of any additions ...

US Pat. 5826253 - Filed Apr 19, 1996 - Borland international, Inc.

Further, the user at the client might want to update the **data** displayed on ...  
When a system reconciles update **conflicts** by adding **individual** fields from ...

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[System for synchronizing data between computers using a before-image of data](#)

US Pat. 5870759 - Filed Oct 9, 1996 - Oracle Corporation

It is 5 possible, however, to detect update **conflicts** in which **data** fields ... to select either the client's value or the server's value for each **individual**

...

[Fault tolerant data communication network](#)

US Pat. 6467003 - Filed Dec 2, 1999 - Honeywell International, Inc.

16-bit CRC for each of the time table **data** and the time table **version** are ... the other time **tables** to ensure that collisions do not occur on the network.

...

[Method for data replication with conflict detection](#)

US Pat. 6058401 - Filed May 20, 1998 - Oracle Corporation

If update **conflicts** are not first detected and then handled in some convergent

manner, the **data** integrity of the replicated copies will begin to diverge. ...

[Method and apparatus for adaptive configuration and control in a network of ...](#)

US Pat. 6195243 - Filed Nov 12, 1998 - George Auther Spencer

However, during the installation process, which may require resolution of address **conflicts**, **individual** DE breakers 40 may be assigned temporary addresses

...

[Method and apparatus for dynamic lock granularity escalation and de ...](#)

US Pat. 6144983 - Filed Jun 9, 1998 - Oracle Corporation

As 30 a general rule, the smaller the amount of **data** covered by each **individual**

lock, the less likely that the system will experience "false **conflicts**". ...

[Load center monitor for electrical power lines](#)

US Pat. 6212049 - Filed Nov 9, 1999

However, during the installation process, which may require resolution of address **conflicts**, **individual** DE breakers 40 may be assigned temporary addresses

...

[Method of rule execution in an expert system using equivalence classes to ...](#)

US Pat. 5720009 - Filed Oct 24, 1996 - Digital Equipment Corporation

6), except that delete tokens representing equivalence class **tables** holding ...

and not combinations of **individual data** elements then be deleted from



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**Results of searching in PCT for:  
databases and version: 13 records**  
Showing records 1 to 13 of 13 :

(Search Summary)

Title	Pub. Date	Int. Class	App. Num	Applicant
1. (WO 2007/019326) <u>METHOD AND SYSTEM FOR UPDATING A LOAN PORTFOLIO WITH INFORMATION ON SECONDARY LIENS</u>	15.02.2007	G06Q 40/00	PCT/US2006/030474	FIRST AMERICAN CORELOGIC HOLDINGS, II

A computer-based method of updating a client loan portfolio with information on secondary liens relatable to portfolio properties includes inputting property data from the portfolio, monitoring a secondary lien database for secondary liens relatable to the property data, and notifying the client if a secondary lien is detected. Notifying the client may include generating a secondary lien report containing an AVM score or a CLTV ratio, and updating the portfolio by generating a new version of the portfolio that includes secondary liens detected during monitoring. A system may include a client station for inputting data for monitoring, an FTP server for uploading the data from the client station, and a mainframe server for standardizing the d...

2. (WO 2006/061358) <u>METHOD FOR DUPLICATING A DATABASE IN A NETWORK OF MACHINES, AND SYSTEM OF MACHINES COMPRISING A DUPLICATED DATABASE</u>	15.06.2006	G06F 17/30	PCT/EP2005/056446	THALES
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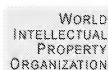
The invention relates to a method for duplicating a database in a network of machine, and to a system of machines comprising a duplicated database. Said machines (1, 2, 3) share the same database (10) which is duplicated in the machines. A first machine (1) transmits data (A) updated in the database thereof to the other machines (2, 3). A master machine (31) converges the databases (10) between the machines. To this end, the machine (1) transmitting the data (A) emits, in the same message as the data (A), the version number thereof and the address of the machine; the machine (1) also emits the message to a master machine (31); a machine (31, 2, 3) publishes the data (A) in the database (10) thereof following a version number test; and the ...

3. (WO 2006/012726) <u>VEHICLE TELEMETRIC SYSTEM</u>	09.02.2006	G08C 17/02	PCT/CA2005/000725	NETISTIX TECHNOLOGIES CORPORATION
--	------------	------------	-------------------	--------------------------------------

A vehicle telemetric system comprises vehicle interface units (VIUs), wireless gateways, and a central host. The VIU in a vehicle collects data over the OBD-II bus and stores the data in the form of Data Point Records (DPRs) in an on-board file memory. When the VIU is within wireless range of a gateway, it establishes a WiFi (802.11 b) connection with the gateway and submits stored DPRs to the gateway, to be stored in permanent storage at the gateway. The gateways communicate with the central host over a wide area network (WAN). When a gateway has gathered new DPRs from a VIU, it submits these to the central host. Databases in the gateways as well as in the central host are maintained and synchronized to the received DPRs by sequence num...

4. (WO 2005/068481) <u>SYSTEM FOR DATABASE RELICATION OF PROPRIETARY DATA TRANSFORMATION</u>	22.09.2005	G06F 17/30	PCT/US2005/007699	TRANSREPLICATOR, INC.
--	------------	------------	-------------------	-----------------------

The present invention provides data replication and transformation. The invention system creates a replica version of a relational database based upon information obtained from a source database. The system populates the replica database with all or a portion of the data from the source database and transforms the data during the extraction process using a standard set of algorithms. This keeps any proprietary information in the source database from reaching the replica database while still retaining that source database's referential integrity. These transforms can be established at the source database level meaning that all extracts performed against those source databases will have a consistent set of transforms applied during the extrac...



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**Results of searching in PCT for:**  
**version and data and tables: 12 records**  
 Showing records 1 to 12 of 12 :

{Search Summary}

- | Title   | Pub. Date  | Int. Class | App. Num          | Applicant                            |
|---|------------|------------|-------------------|--------------------------------------|
| 1. (WO 2007/113746) <u>WATERMARK EMBEDDING USING LOOK-UP TABLES</u>   | 11.10.2007 | G06T 1/00  | PCT/IB2007/051107 | KONINKLIJKE PHILIPS ELECTRONICS N.V. |
| <p>The invention relates to embedding a spread spectrum watermark in a <b>data</b> signal as well as to detection of the embedded watermark. A <b>data</b> signal (4) is encrypted (15) or received in the form of an encrypted <b>data</b> signal (9), the signal being encrypted by modifying (3) it in accordance with one or more entries of a look-up-table (2) in which an encryption table (6) stored. The encryption is carried out by a first computing device (15) such as a server device. The watermark is actually embedded while decrypting (13) the signal. This takes place in a second computing device (16), possibly in a client device in a similar manner. The client device employs a decryption table (8), which is a modified (i.e. watermarked) <b>version</b> of the encryption...</p>                                |            |            |                   |                                      |
| 2. (WO 2006/128062) <u>DATABASE CACHING OF QUERIES AND STORED PROCEDURES USING DATABASE PROVIDED FACILITIES FOR DEPENDENCY ANALYSIS AND DETECTED DATABASE UPDATES FOR INVALIDATION</u>  | 30.11.2006 | G06F 17/00 | PCT/US2006/020620 | TERRACOTTA, INC.                     |
| <p>Database <b>data</b> is maintained reliably and invalidated based on actual changes to <b>data</b> in the database. Updates or change to <b>data</b> are detected without parsing queries submitted to the database. The dependencies of a query can be determined by submitting a <b>version</b> of the received query to the database through a native facility provided by the database to analyze the query structures are processed. The caching system can access the results of the facility to determine the <b>tables</b>, rows, or other partitions of <b>data</b> a received query is dependent upon or modifies. An abstracted form of the query can be cached with an indication of the <b>tables</b>, rows, etc. that queries of that structure access or modify. The <b>tables</b> a write or update query modifies ca...</p> |            |            |                   |                                      |
| 3. (WO 2003/015940) <u>METHOD FOR AUTOMATICALLY PRODUCING ACTUAL DISTRIBUTED DATA SEQUENCES</u>   | 27.02.2003 | B07C 1/00  | PCT/DE2002/002852 | SIEMENS AKTIENGESellschaft           |
| <p>The invention relates to a method for automatically producing actual distributed <b>data</b> sequences, integrating, as distribute <b>data</b> sequences, central address <b>tables</b> which are stored in <b>data</b> bases and transmitted by electronic <b>data</b> transfer. The inventive method comprises the following steps: the actual central address table, or parts thereof concerning the relevant area, is locally copied; locally stored modification instructions are transferred, in terms of the relative change of position of feed points in the distributed sequence, for the previous <b>version</b> of the central address table or relevant parts thereof, the feed points being identified by identification <b>data</b> containing at least the sorting code, to the local copy of the actual centr.</p>          |            |            |                   |                                      |
| 4. (WO 2002/086702) <u>HANDLING DIFFERENT SERVICE VERSIONS IN A SERVER</u>  | 31.10.2002 | G06F 9/44  | PCT/FI2002/000335 | NOKIA CORPORATION                    |
| <p>This invention relates to handling of different service versions in a server that is connected to a communication network. The invention comprises means to load a desired <b>version</b>, two <b>tables</b> and additional <b>data</b> for handling different service version. The first table contains service key and <b>version</b> information, and serialized service objects. The second table contains names of classes, version information and class files. The additional <b>data</b> is needed for loading the right class from among classes, with the same name, and mapping the right service object <b>version</b> to the right versions of classes.</p>   |            |            |                   |                                      |
| 5. (WO 2001/005107) <u>APPARATUS AND METHOD TO MINIMIZE CONGESTION</u>  | 18.01.2001 | H04L 12/56 | PCT/US2000/019006 | ALTEON WEB SYSTEMS INC.              |